## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 20 October 2005 (20.10.2005)

**PCT** 

## (10) International Publication Number WO 2005/099277 A1

(51) International Patent Classification<sup>7</sup>: H04N 9/31

(21) International Application Number:

PCT/US2004/007104

**(22) International Filing Date:** 9 March 2004 (09.03.2004)

(25) Filing Language: English

(26) Publication Language: English

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

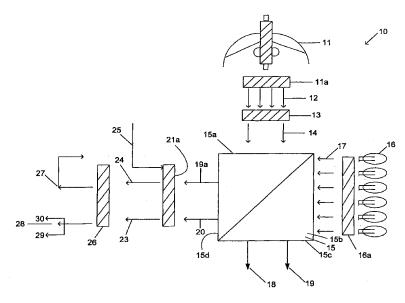
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## **Published:**

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS FOR ADDING RED LIGHT TO A POLARIZED LIGHT SYSTEM



(57) Abstract: An apparatus for adding red light to a polarized light system includes a first light source and a second light source. A polarizing beam splitter combines S-polarized-light from the first light source and P-polarized light from the second light source. A first multi-layer filter means rotates the polarization state of the green light from the first light source to the P-polarization state. A second multi-layer filter means rotates the first light source red light to the P-polarization state and rotates the second light source red light to the S-polarization state. Finally, a reflective cleanup polarizer reflects the P-polarized-light back to the respective first and second light source and passes the S-polarized-light.